

United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection & Quarantine
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Importation
Regulated by 7 CFR 330, 7 CFR 360

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Dr. Siobhan Brady	PERMIT NUMBER:	P526P-18-04124
ORGANIZATION:	University of California, Davis	APPLICATION NUMBER:	P526-181011-010
ADDRESS:	451 Health Sciences Drive Genome Center Davis, CA 95616	FACILITY NUMBER:	71
MAILING ADDRESS:	451 Health Sciences Drive Genome Center Davis, CA 95616	HAND CARRY:	No
PHONE:	530-752-5183	DATE ISSUED:	11/18/2018
FAX:		EXPIRES:	11/18/2021
DESTINATION:	University of California- Davis, 555 Hopkins Road , Davis, CA 95616		
DESIGNATED PORTS:	CA, El Segundo; CA, San Francisco; FL, Miami (Cargo, DHL, Fed Ex, UPS, etc); NJ, Linden; NY, Jamaica		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Striga	Seeds	Research - Greenhouse (growth chamber and lab included)	Ethiopia	Originally Collected from Foreign Locations	Striga hermonthica

SPECIAL INSTRUCTIONS TO INSPECTORS

See permit conditions below

This permit authorizes NAME OF PERMIT HOLDER with ORGANIZATION in CITY, STATE (location of Organization), to hand-carry or move the organisms via passenger baggage into the United States in accordance with the hand-carry conditions below.

DHS CBP INSPECTORS - HAND CARRY INSTRUCTIONS

1) For all hand carry events, the port of entry must have received hand carry requests at least 20 days in advance of the arrival of passenger(s), including the date and time of arrival and method of transport (maritime, land border, air) directly from CBP-OFO-APTL, originally provided by USDA-APHIS. The port of entry for hand carry does not need to appear as a designated port on the permit; this

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PPQ HEADQUARTER OFFICIAL VIA EPERMITTS.


Anwar Syed Rizvi

DATE

11/18/2018

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official notice containing the information listed above authorizes the port listed on the notice as a destination port for this hand carry event.

- 2) For all hand carry events, a valid PPQ permit number or the PPQ permit must be provided in order to identify the designated hand carrier.
- 3) If the two conditions above are met and the CBP Agriculture Specialist confirms that all hand carried materials/organisms are securely packaged as per the permit conditions, the permitted regulated material/organisms may be released for immediate transport by the designated hand carrier to the destination address listed on the permit.
- 4) If the permitted regulated materials/organisms arrive by hand carrying, in personal luggage, or by personal automobile without a hand carry authorization as specified in the permit, CBP may seize and destroy the package or send it to the nearest PPQ Plant Inspection Station for further processing. The permit holder is responsible for all costs incidental to such actions. If forwarding the shipment is not possible, contact the Pest Permit Staff at the number below.


DHS CBP INSPECTORS - SHIPMENT BY BONDED CARRIER

- 1) Confirm that the carrier of the shipment imported under this USDA PPQ 526 permit is commercially bonded.
- 2) Confirm that the imported shipment has a valid USDA PPQ Form 599 Red/White label attached to the exterior for routing to a USDA APHIS PPQ Inspection Station or other "Designated Port" as stated on the Permit. A valid label will have the permit number, expiration date, label number, and address of a USDA APHIS PPQ Plant Inspection Station/Designated Port. PLEASE NOTE: In the event of a shipment of bulk container with discrete units, a single PPQ Form 599 Red/White label may be used.
- 3) Validate the permit in ePermits using the CBP search feature.
- 4) If a valid PPQ Form 599 Red/White label is not attached to the exterior of the package or the label has been covered or is otherwise not legible, then forward to the nearest USDA APHIS PPQ Plant Inspection Station.
- 5) If the address on the airway bill does not match the address on the PPQ Form 599 Red/White label then forward the package to the nearest USDA APHIS PPQ Plant Inspection Station/designated port shown on the PPQ Form 599 label. All costs associated with rerouting misaddressed packages will be assumed by the permit holder.

APHIS PPQ INSPECTORS at PIS -High-Risk Invertebrates

Follow the instructions in the Plant Inspection Station Manual for High-Risk Invertebrates Red and White Labeled Packages (must be opened in a sleeved cage; see procedures for handling on page 3-7-39). For questions or concerns, contact the USDA APHIS PPQ Pest Permit Branch in Riverdale, MD, at 301-851-2046, toll free 866-524-5421.

PERMIT GUIDANCE

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- 1) Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury; please refer to <https://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx>
- 2) This permit does not authorize movement or release into the environment of genetically engineered organisms produced with the regulated organisms described in this permit. Importation, interstate movement, and environmental release of genetically engineered plant pests require a different permit issued under regulations at 7 CFR part 340. Any unauthorized interstate movement or environmental release, including accidental release, of a regulated GE organism would be a violation of those regulations. Additional guidance and contact information for APHIS Biotechnology Regulatory Services, can be found at: <https://www.aphis.usda.gov/aphis/ourfocus/biotechnology>.
- 3) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.sh
- 4) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
- 5) This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.
- 6) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

PERMIT CONDITIONS

USDA-APHIS issues this Import ePermit to Dr. Siobhan Brady, University of California, 451 Health Sciences Drive, Genome Center, Davis, CA 95616, Phone: 530-752-5183, Email: sbrady@ucdavis.edu. This permit authorizes importation of the listed regulated materials from the listed country. This permit authorizes importation/transportation by Air Freight, hand carrying or in personal baggage of the regulated materials for the INTENDED USE in the APHIS approved Containment Facility Number 71 (CF# 71).

1.
 - This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
 - The permit number or a copy of the permit must accompany the shipment.
 - You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.

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- You are legally responsible for complying with all permit requirements and permit conditions.
- The regulated material and shipping container(s) are subject to inspection by officials of Custom and Border Protection (CBP) and APHIS. CBP or APHIS officials may require the shipment to be treated, seized, re-exported, or destroyed (in part or whole). You will be responsible for expenses.
- If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
- Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.

2. The permit holder must:

- maintain a valid PPQ526 permit so long as the regulated materials are alive or viable,
- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
- adequately mitigate environmental impacts resulting from unauthorized release of regulated materials and notify the Pest Permit staff immediately if one occurs,
- notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
- destroy all regulated materials prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

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Notifications to the Pest Permit Staff must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

3. All persons working with the listed regulated materials must be informed of these permit conditions. Anyone working with these regulated materials must agree to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: These conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized regulated materials and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.


4. The regulated materials must be visually free of diseases, insects, or other plant pests and/or contaminants. If the shipment is for seed, pesticides must not be applied to the regulated materials before shipping.
5. All packages for transport must minimally consist of both inner/primary and outer/secondary packages securely sealed so that both are effective barriers to escape or unauthorized dissemination of the listed regulated materials. The inner/primary package(s) will contain all regulated materials and must be cushioned and sealed in such a way that it remains sealed during shock, impact, and pressure changes that may occur. The outer/secondary shipping container must be rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.
6. After USDA APHIS PPQ issues this 526 permit, you will need to request Red/White labels (PPQ Form 599) at least 5 days in advance of your shipping date. If you applied for your permit online using ePermits, you may request the labels using the My Shipments/Labels feature. Otherwise, send your request to Redandwhitelabelrequest@aphis.usda.gov. All email requests must come from the permit holder or designee. If requested by the designee, the permit holder must be copied on all requests. Specify the approved port as listed on the permit and the total number of labels needed. You may request additional labels the same way. Packages without labels on the exterior may be refused entry.

Review label instructions at:

https://www.aphis.usda.gov/aphis/ourfocus/planthealth/import-information/permits/regulated-organism-and-soil-permits/ct_organisms-shipping-requirements.

You are responsible for instructing your shipper to carefully follow these instructions. You are responsible for each import shipping label issued under this permit.

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7. This permit does authorize importation/transportation by hand carrying or in personal baggage and by Air Freight of the regulated materials.
8. Researchers handling seeds, seedlings, and any associated materials must wear nonporous plastic or paper coveralls, gloves and shoe covers. The coveralls, gloves, and shoe covers will not leave the laboratory except in autoclave bags for treatment and disposal. Researchers must not wear pants with cuffs.
9. Upon receipt, all packages must be opened within a Class II or III biosafety cabinet in the APHIS approved containment facility identified above to prevent the potential dissemination of the package contents.

The regulated materials seed must be placed in a secured glass vial and sealed inside a metal container to be moved within the APHIS approved containment facility identified above.

10. Regulated materials must not be allowed to flower and set seed.
11. Regulated seeds must be in a sealed container during transport within the APHIS approved containment facility identified above.
12. When not working with the regulated materials, you must store and/or maintain them within the APHIS approved containment facility identified above. All stored regulated materials must be kept in a locked area with access limited to authorized personnel.
13. Modifications to the containment facility or any changes that affect the containment of the regulated materials/organisms must be approved by APHIS prior to making changes. Please contact the Pest Permit Staff (email: pest.permits@aphis.usda.gov; phone: 866-524-5421; address: 4700 River Rd., Unit 133, Riverdale, MD 20737; Fax: 301-734-8700).
14. All persons working with the regulated materials/seeds must be trained on the importance of APHIS approved containment practices as described in the permit conditions and approved SOPs associated with the APHIS approved containment facility listed above.
15. Standard Operating Procedures (SOPs) must be filed with, and approved by, the APHIS PPQ Pest Permit Staff at: email: pest.permits@aphis.usda.gov; phone: 866-524-5421; fax: 301-734-8700; address: 4700 River Road, Unit 133, Riverdale, MD 20737. All contact information must be kept current and the SOPs must be dated. If requirements in the permit conditions are more restrictive than the SOPs, permit conditions take precedence. APHIS PPQ must approve any changes to the SOPs before implementation.

A list of all persons with access to the containment facility must be maintained and available upon request by Federal or State Regulatory Officials.

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16. DEVITALIZATION AND WASTE DISPOSAL

All regulated materials, including un-used and leftover material, and all packaging directly in contact with the regulated material must be devitalized/treated via one or more of the following methods: 1) autoclaved (see protocol below), 2) disposed of off-site by a facility holding a valid PPQ compliance agreement (contaminated waste must be stored in sealed containers prior to pick up by this company), or 3) Incineration. Treated waste will be double bagged prior to disposal.


Other sterilization methods are only allowed with prior written agreement from the USDA/APHIS PPQ Pest Permit Staff.

If using an autoclave the following protocol must be used:

- a. Waste must be autoclaved at 121 Celsius (250 Fahrenheit) for a minimum of 30 minutes at 15 psi.
 - b. Autoclave tape or other indicators must be placed on each load prior to treatment. The autoclave tape or other indicator on each container must be checked to verify color change before disposal.
 - c. The autoclave must be calibrated according to the manufacturer's instructions annually and a written record must be maintained.
 - d. Every 3 months, you must use a commercially available biological indicator kit that uses bacterial spores of *Geobacillus stearothermophilus* that are rendered unviable at 121 Celsius (250 Fahrenheit). You must follow the manufacturer's instructions. If any growth is observed, you must have the autoclave serviced and retested.
17. There is to be no further movement or distribution of the listed regulated materials within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of such materials/organisms.
 18. Host Plants: Host plants will initially be grown in the APHIS approved containment facility listed above under close supervision. These hosts will be grown either individually or closely packed together to generate dense root stock which may facilitate host attachment. Once adequate root stock has developed, hosts will be transferred to growth chambers for further procedures.
 19. All research areas where work with the regulated materials is undertaken must display a sign that reads: "Research is underway in this area (authorized Containment Facility as listed above) with the Federally regulated/restricted Quarantine materials and access to this research area is restricted for the authorized personnel only."
 20. The State of California requests inclusion of the following two (2) conditions:
 - (1.) " A copy of the permit and all applicable conditions must accompany each shipment of approved organisms (California Food and Agricultural Code, Section 6305).
 - (2.) " Permittee shall notify the office of the Yolo County Agricultural Commissioner upon arrival of shipments 530.666.8140 (California Food and Agricultural Code, Section 6401).

Sincerely, Laura O. Petro, Laura O. Petro, M.S. Environmental Program Manager I, Permits & Regulations, Plant Health and Pest Prevention Services, cc: Yolo County. (END).


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END OF PERMIT CONDITIONS

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